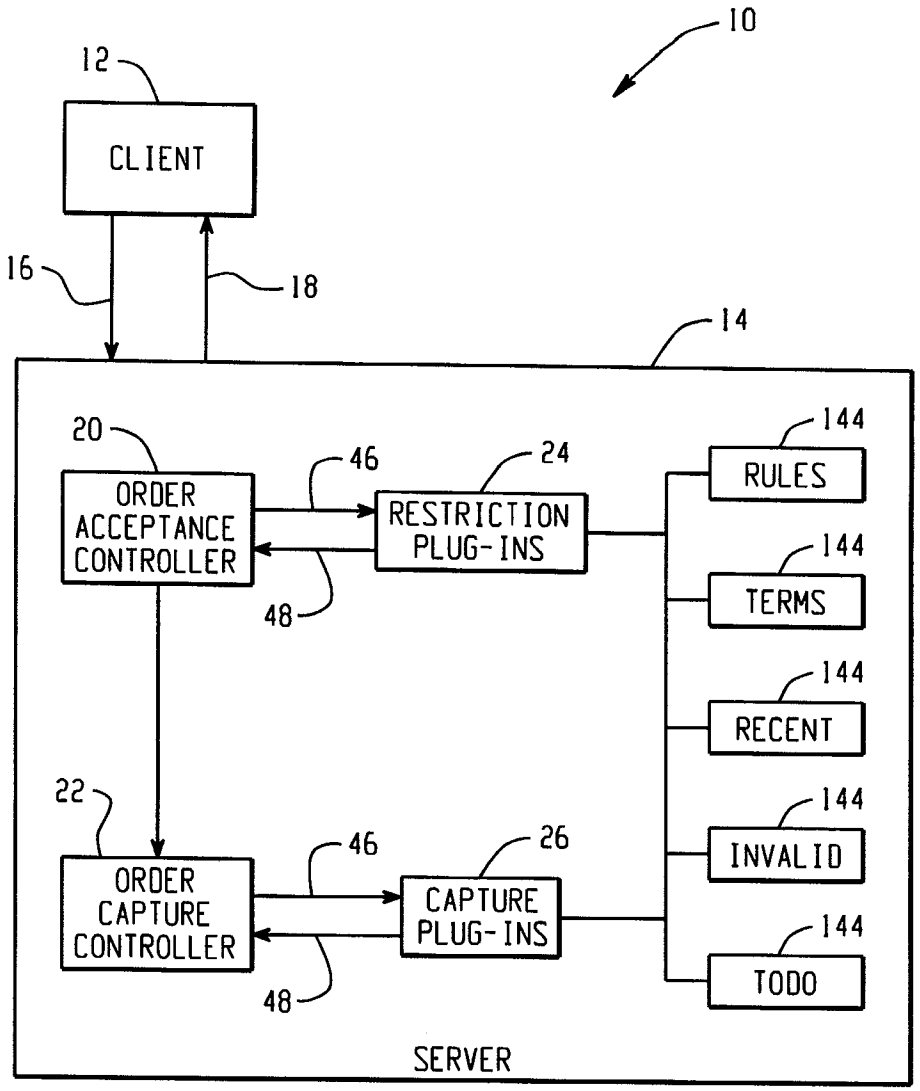
10
12
CLIENT
16
18
14
20
ORDER ACCEPTANCE CONTROLLER
46
24
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48
144
RULES
144
TERMS
144
RECENT
144
INVALID
144
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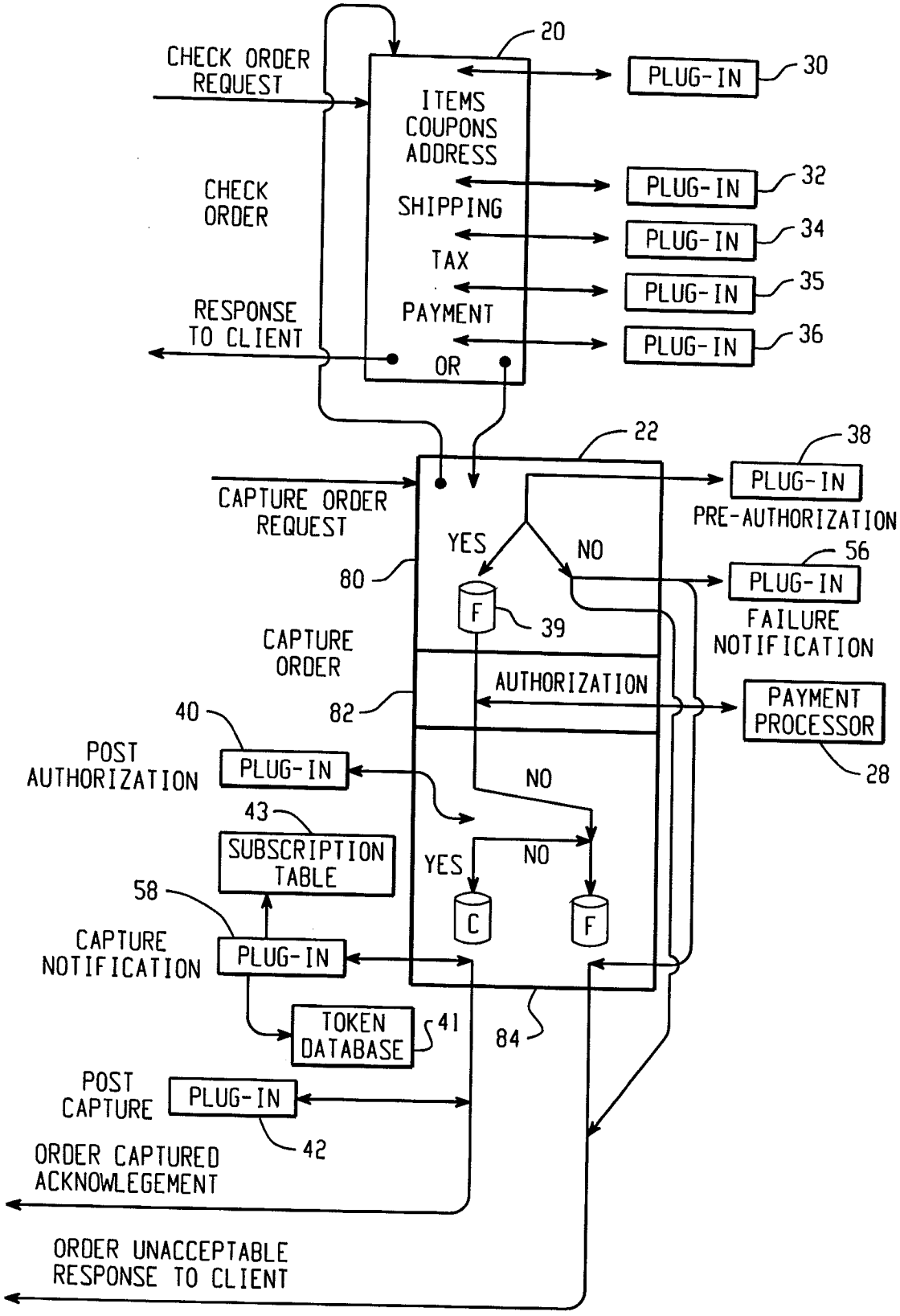
22
ORDER CAPTURE CONTROLLER
46
26
CAPTURE PLUG-INS
48
SERVER

Fig. 1


CHECK ORDER REQUEST
20
ITEMS
COUPONS
ADDRESS
SHIPPING
TAX
PAYMENT
OR
PLUG-IN
30
PLUG-IN
32
PLUG-IN
34
PLUG-IN
35
PLUG-IN
36
CHECK ORDER
RESPONSE TO CLIENT
22
38
PLUG-IN
PRE-AUTHORIZATION
CAPTURE ORDER REQUEST
YES
NO
80
56
PLUG-IN
FAILURE NOTIFICATION
F
39
CAPTURE ORDER
AUTHORIZATION
82
PAYMENT PROCESSOR
28
40
POST AUTHORIZATION
PLUG-IN
NO
43
SUBSCRIPTION TABLE
YES
NO
58
C
F
CAPTURE NOTIFICATION
PLUG-IN
TOKEN DATABASE
41
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POST CAPTURE
PLUG-IN
42
ORDER CAPTURED ACKNOWLEGEMENT
ORDER UNACCEPTABLE RESPONSE TO CLIENT

Fig. 2

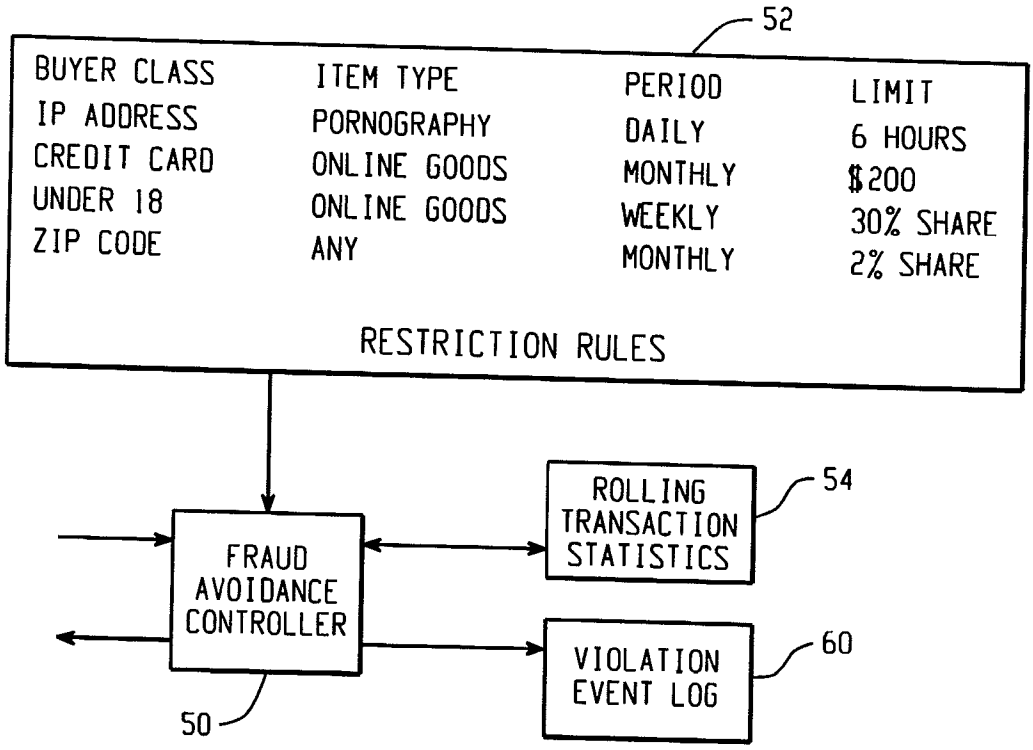
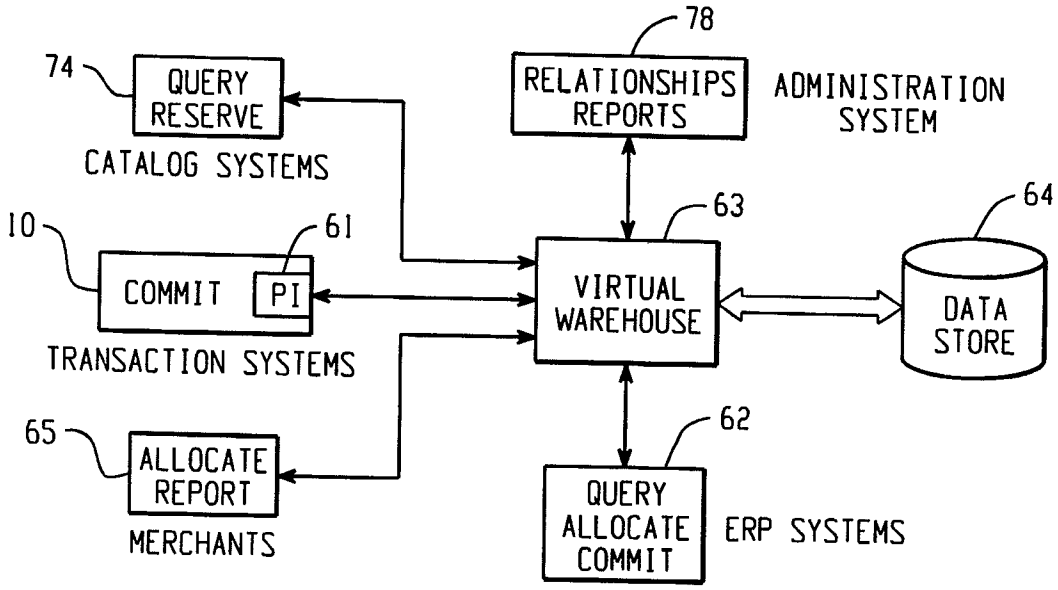

52
BUYER CLASS
IP ADDRESS
CREDIT CARD
UNDER 18
ZIP CODE
ITEM TYPE
PORNOGRAPHY
ONLINE GOODS
ONLINE GOODS
ANY
PERIOD
DAILY
MONTHLY
WEEKLY
MONTHLY
LIMIT
6 HOURS
$200
30% SHARE
2% SHARE
RESTRICTION RULES
ROLLING TRANSACTION STATISTICS
54
FRAUD AVOIDANCE CONTROLLER
VIOLATION EVENT LOG
60
50

Fig. 3


78
74
QUERY RESERVE
CATALOG SYSTEMS
RELATIONSHIPS REPORTS
ADMINISTRATION SYSTEM
63
64
10
61
COMMIT
PI
TRANSACTION SYSTEMS
VIRTUAL WAREHOUSE
DATA STORE
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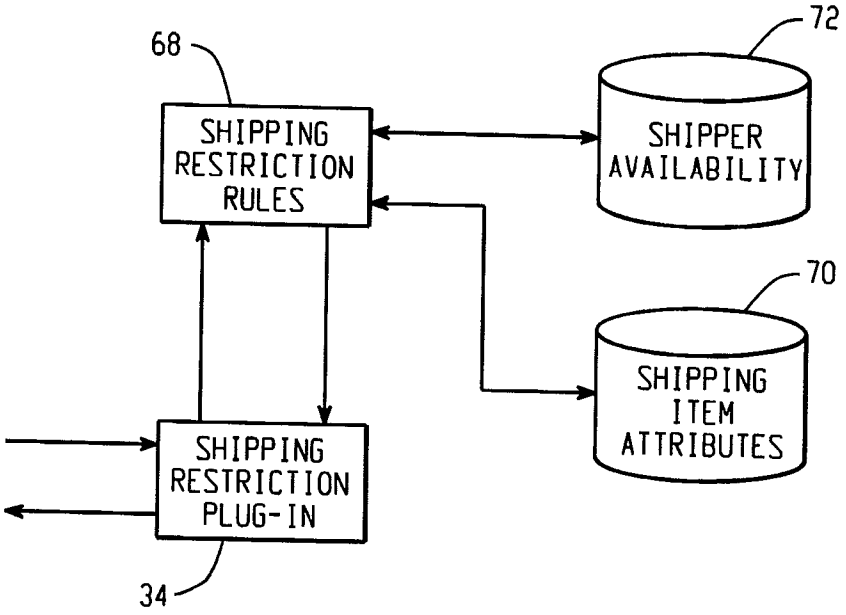
ALLOCATE REPORT
MERCHANTS
QUERY ALLOCATE COMMIT
ERP SYSTEMS

Fig. 4


68
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SHIPPING RESTRICTION RULES
SHIPPER AVAILABILITY
70
SHIPPING ITEM ATTRIBUTES
SHIPPING RESTRICTION PLUG-IN
34

Fig. 5

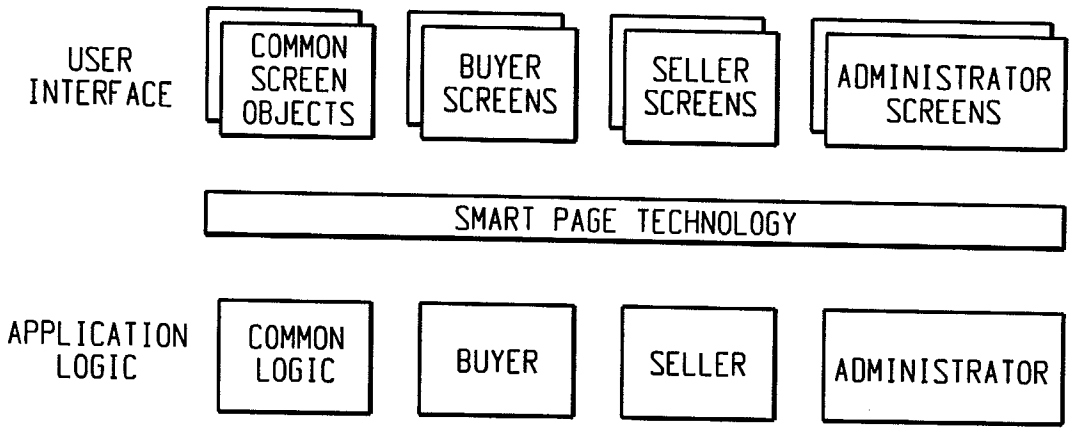
USER INTERFACE
COMMON SCREEN OBJECTS
BUYER SCREENS
SELLER SCREENS
ADMINISTRATOR SCREENS
SMART PAGE TECHNOLOGY
APPLICATION LOGIC
COMMON LOGIC
BUYER
SELLER
ADMINISTRATOR

Fig. 6

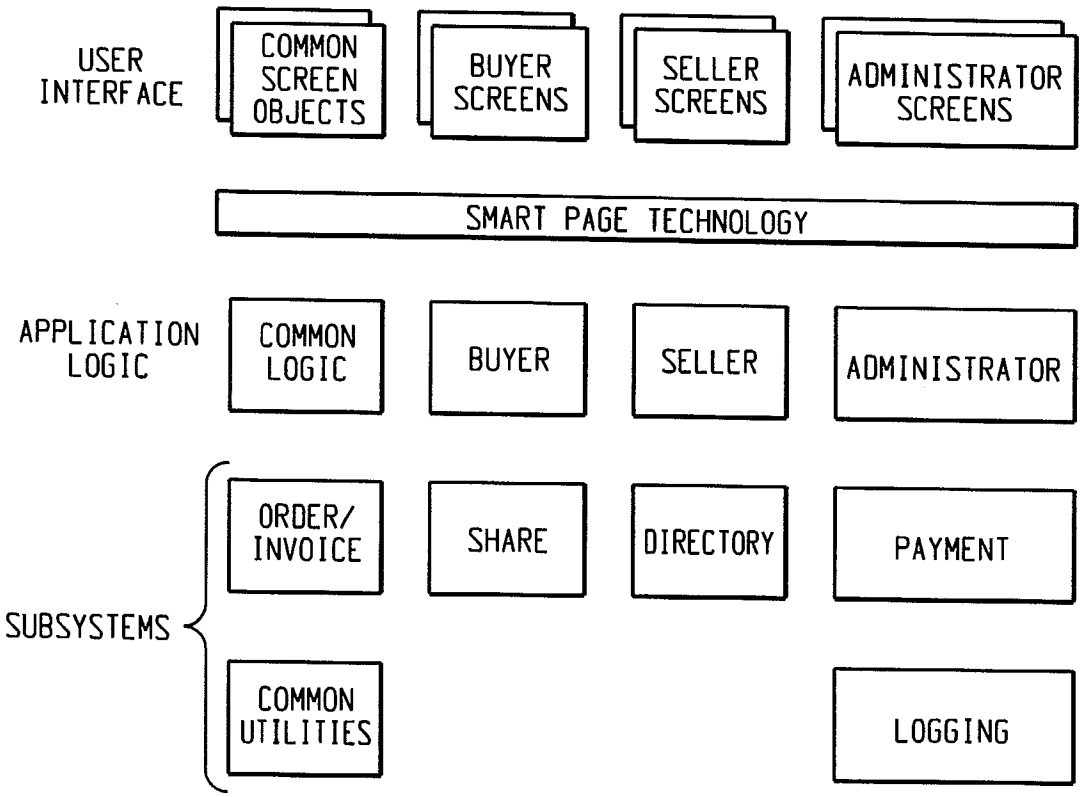
USER INTERFACE
COMMON SCREEN OBJECTS
BUYER SCREENS
SELLER SCREENS
ADMINISTRATOR SCREENS
SMART PAGE TECHNOLOGY
APPLICATION LOGIC
COMMON LOGIC
BUYER
SELLER
ADMINISTRATOR
SUBSYSTEMS
ORDER/ INVOICE
SHARE
DIRECTORY
PAYMENT
COMMON UTILITIES
LOGGING

Fig. 7

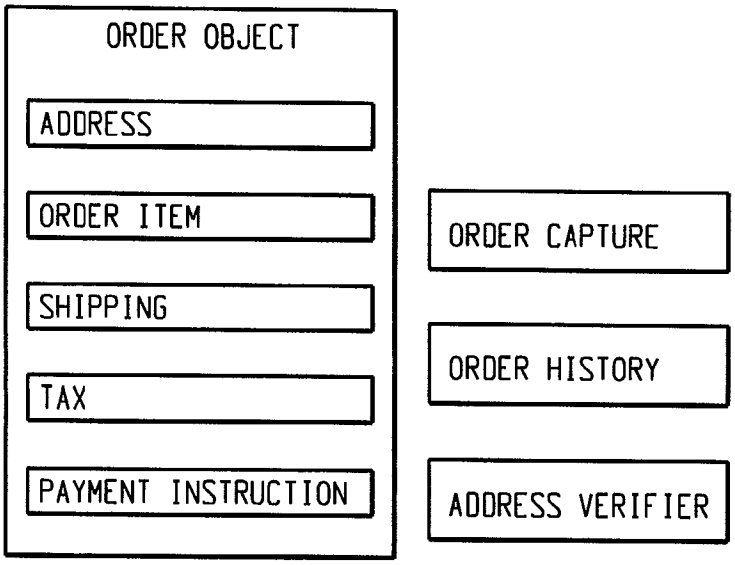
ORDER OBJECT
ADDRESS
ORDER ITEM
SHIPPING
TAX
PAYMENT INSTRUCTION
ORDER CAPTURE
ORDER HISTORY
ADDRESS VERIFIER

Fig. 8

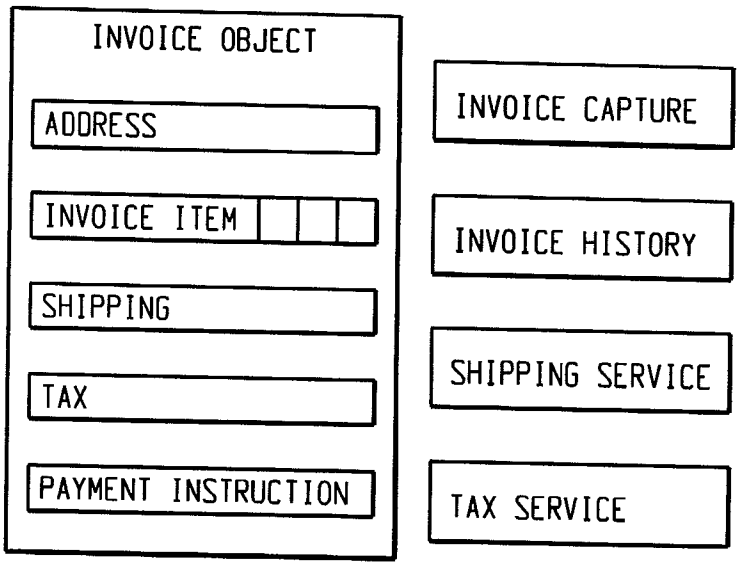
INVOICE OBJECT
ADDRESS
INVOICE ITEM
SHIPPING
TAX
PAYMENT INSTRUCTION
INVOICE CAPTURE
INVOICE HISTORY
SHIPPING SERVICE
TAX SERVICE

Fig. 9

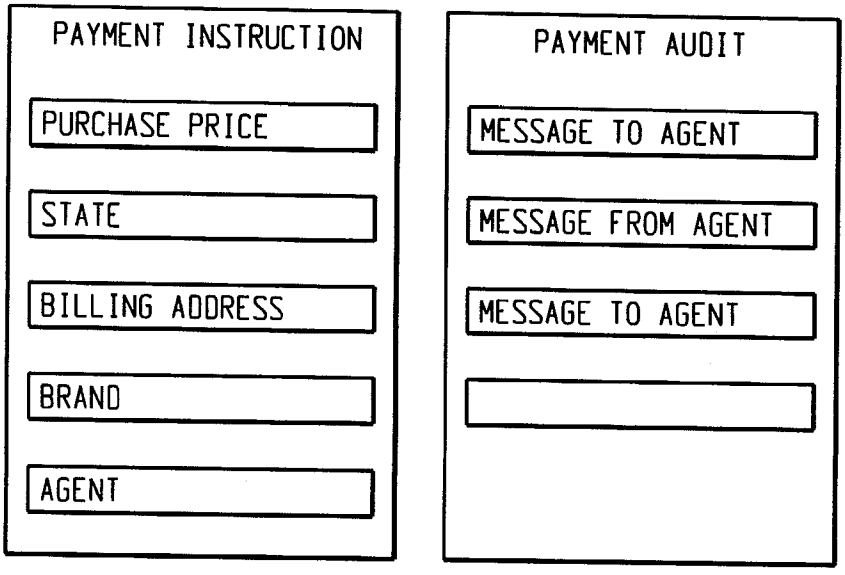
PAYMENT INSTRUCTION
PURCHASE PRICE
STATE
BILLING ADDRESS
BRAND
AGENT
PAYMENT AUDIT
MESSAGE TO AGENT
MESSAGE FROM AGENT
MESSAGE TO AGENT

Fig. 10

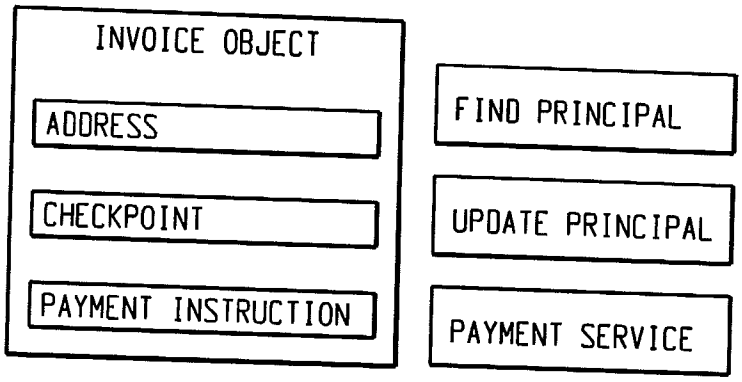
INVOICE OBJECT
ADDRESS
CHECKPOINT
PAYMENT INSTRUCTION
FIND PRINCIPAL
UPDATE PRINCIPAL
PAYMENT SERVICE

Fig. 11

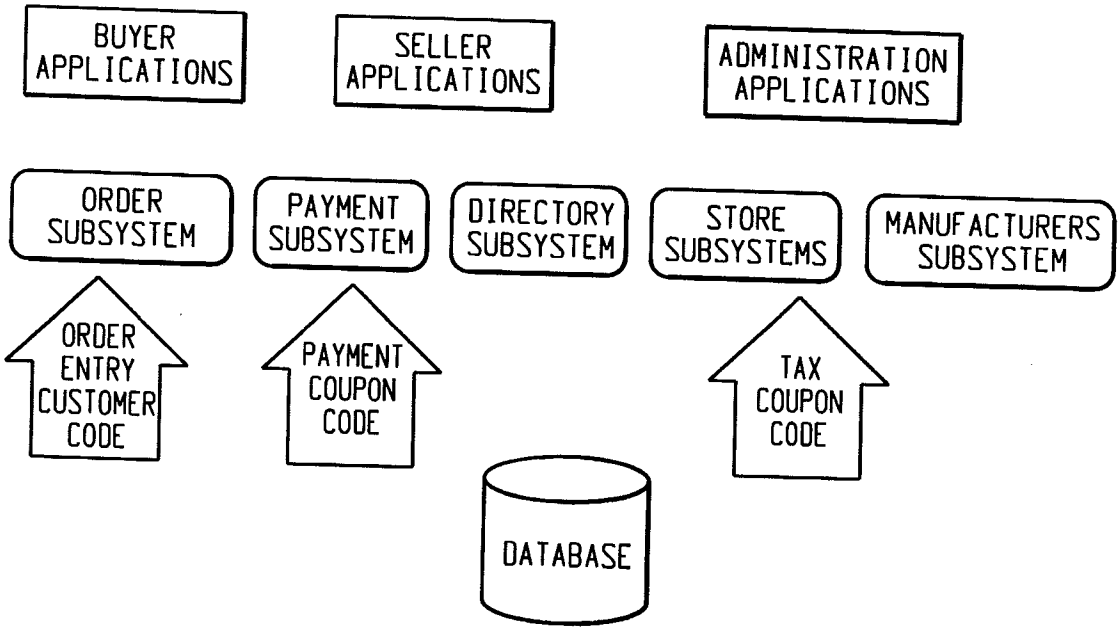
BUYER APPLICATIONS
SELLER APPLICATIONS
ADMINISTRATION APPLICATIONS
ORDER SUBSYSTEM
PAYMENT SUBSYSTEM
DIRECTORY SUBSYSTEM
STORE SUBSYSTEMS
MANUFACTURERS SUBSYSTEM
ORDER ENTRY CUSTOMER CODE
PAYMENT COUPON CODE
TAX COUPON CODE
DATABASE

Fig. 12